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TI Sesquiterpene alcohols from Picea polita

IN Kyogoku, Kazuaki; Sayama, Yoshikatsu

PA Taisho Pharmaceutical Co., Ltd.

SO Jpn. Tokkyo Koho, 2 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

IC C07C; A01N

CC 62-2 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 49006920	B	19740216	JP 1970-95196	19701030

PRAI JP 1970-95196 19701030

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 49006920	IC	C07C; A01N
	IPC	C07C [ICM]; A01N [ICS]

AB T-Cadinol, T-muurolol, .delta.-cadinol, .alpha.-cadinol, and oplopanone were isolated from the needles of Picea polita by extrn. with org. solvent, distn. of the n-hexane-sol. neutral part, and column and gas chromatog. Thus, 10 kg dry needles of P. polita were extd. with MeOH, the MeOH ext. extd. with n-hexane, the ext. washed with 5% NaOH, the 150 g residue distd., chromatographed on dry SiO2 gel with n-hexane-Et2O, and subjected to gas chromatog. (Apiezon grease L, 20% on Diasolid M) to give the alcs.

ST essential oil Picea polita; cadinol spruce oil; muurolol spruce oil; oplopanone spruce oil

IT Sesquiterpenes

RL: BIOL (Biological study) (in Picea polita oils)

IT Oils

RL: BIOL (Biological study) (of Picea polita, sesquiterpenes in)

IT 481-34-5 1911-78-0 5937-11-1 19435-97-3 19912-62-0

RL: BIOL (Biological study) (in Picea polita oils)

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- AN - 1974-18602V [10]
- TI - Insecticidal sesquiterpenes extraction - from leaves of *Picea polita* Carr by solvent extraction and column chromatography
- AB - Method comprises extracting leaves of *Picea polita* Carr with org. solvents, distilling the neutral and n-hexane-soluble extract, fractionating the distillate by column chromatography, and sepg. and recovering T-cadinol (formula I), T-murolol (formula II), delta-cadinol (formula III), alpha-cadinol (formula IV) and oplopanone (formula V): These cpds. are useful for killing and repelling flies, mosquitoes, etc.
- IW - INSECT EXTRACT LEAF PICEA POLITA SOLVENT COLUMN CHROMATOGRAPHY
- PN - JP49006920B B 19740216 DW197410
- IC - A01N9/00; C07C35/32; C07C49/43
- MC - C10-E04 C10-F02 C12-L06 C12-N02
- DC - C03
- PA - (TAIS) TAISHO PHARM CO LTD
- AP - JP19700095196 19701030